

**IN THE CLAIMS:**

1. (Currently Amended) A method comprising:

providing an automated option via a first communication channel of a first type during a first communication between with a server via and the first communication channel, wherein the automated option comprises a link to be displayed on a web page;

receiving a second communication with the server, the second communication initiated by a telephone via a second communication channel of a second type different from the first type;

determining that [[a]] the second communication between the server and a second communication channel is related to the first communication;

and

transmitting, via the second communication channel, transmitting a computer generated voice message to [[a]] the telephone, wherein the computer generated voice message suggests selecting the link.

2. (Original) The method of claim 1 further comprising:

obtaining a first identifier for first data related to the first communication;

obtaining a second identifier for second data related to the second communication;

if the first identifier and the second identifier are the same,

using at least one of the first data and the second data to perform an action during at least one of the first communication and the second communication.

3. (Original) The method of claim 2 wherein

at least one of the first data and the second data comprises a diagnostic code, and the action comprises providing second information decoded from the diagnostic code.

4. (Original) The method of claim 3 wherein

the second information comprises at least one of telemetry data, and

diagnostic information.

5. (Original) The method of claim 3 further comprising:  
providing the second information for viewing.

6. (Original) The method of claim 2 wherein  
the action comprises  
providing third data obtained using at least one of the first identifier and the second  
identifier.

7. (Original) The method of claim 2 wherein  
the action comprises  
providing a second automated option during at least one of the first communication and  
the second communication.

8. (Original) The method of claim 2 wherein  
the action comprises  
providing a second automated suggestion to select a second automated option provided  
during at least one of the first communication and the second communication.

9. (Cancelled)

10. (Cancelled)

11. (Original) The method of claim 2 wherein  
the first data are unavailable via the second communication channel, and  
the second data are unavailable via the first communication channel.

12. (Previously Presented) The method of claim 2 wherein  
at least one of the first data and the second data comprises diagnostic information for a  
problem with a computer system.

13. (Previously Presented) The method of claim 2 wherein at least one of the first data and the second data comprises information for identifying a computer system.

14. (Original) The method of claim 1 wherein a first one of the first and second communication channels is a telephone channel; and a second one of the first and second communication channels is a web channel.

Claims 15-17 (Cancelled)

18. (Original) The method of claim 1 further comprising: gathering data related to a problem with a problem entity via at least one of the first communication channel and the second communication channel.

19. (Currently Amended) A system comprising:  
first providing means for providing an automated option via a first communication channel of a first type during a first communication between with a server and via the first communication channel, wherein the automated option comprises a link to be displayed on a web page;  
receiving means for receiving a second communication with the server, the second communication initiated by a telephone via a second communication channel of a second type different from the first type;  
determining means for determining that [[a]] the second communication between the server and a second communication channel is related to the first communication; and  
transmitting means for transmitting a computer generated voice message to [[a]] the telephone, wherein the computer generated voice message suggests selecting the link, wherein the computer generated voice message is transmitted via the second communication channel.

20. (Original) The system of claim 19 further comprising:  
first obtaining means for obtaining a first identifier for first data related to the first communication;  
second obtaining means for obtaining a second identifier for second data related to the second communication;  
using means for using at least one of the first data and the second data to perform an action during at least one of the first communication and the second communication if the first identifier and the second identifier are the same.

21. (Original) The system of claim 20 further comprising:  
third providing means for providing second information decoded from a diagnostic code,  
wherein  
at least one of the first data and the second data comprises the diagnostic code.

22. (Original) The system of claim 20 further comprising:  
third providing means for providing third data obtained using at least one of the first identifier and the second identifier.

23. (Original) The system of claim 20 further comprising:  
third providing means for providing a second automated option during at least one of the first communication and the second communication.

24. (Cancelled)

25. (Currently Amended) A system comprising:  
a first module configured to provide an automated option via a first communication channel of a first type during a first communication between with a server and via the first communication channel, wherein the automated option comprises a link to be displayed on a web page;

a receiving module configured to receive a second communication with the server, the second communication initiated by a telephone via a second communication channel of a second type different from the first type;

a determining module configured to determine that [[a]] the second communication between the server and a second communication channel is related to the first communication;

and

a second module configured to transmit a computer generated voice message to [[a]] the telephone, wherein the computer generated voice message suggests selecting the link, wherein the computer generated voice message is transmitted via the second communication channel.

26. (Original) The system of claim 25 further comprising:

a first obtaining module configured to obtain a first identifier for first data related to the first communication;

a second obtaining module configured to obtain a second identifier for second data related to the second communication;

a using module configured to use at least one of the first data and the second data to perform an action during at least one of the first communication and the second communication if the first identifier and the second identifier are the same.

27. (Original) The system of claim 26 further comprising:

a third providing module configured to provide second information decoded from a diagnostic code, wherein

at least one of the first data and the second data comprises the diagnostic code.

28. (Original) The system of claim 26 further comprising:

a third providing module configured to provide third data obtained using at least one of the first identifier and the second identifier.

Claims 29-30 (Cancelled)

31. (Currently Amended) A computer-readable medium that stores instructions, the instructions comprising:

first instructions configured to provide an automated option via a first communication channel of a first type during a first communication ~~between with a server and via~~ the first communication channel, wherein the automated option comprises a link to be displayed on a web page;  
receiving instructions configured to accept a second communication with the server, the second communication initiated by a telephone via a second communication channel of a second type different from the first type;

determining instructions configured to determine that [[a]] the second communication ~~between the server and a second communication channel~~ is related to the first communication;

and

second instructions configured to provide a computer generated voice message to [[a]] the telephone, wherein the computer generated voice message suggests selecting the link, wherein the computer generated voice message is provided via the second communication channel.

32. (Previously Presented) The computer-readable medium of claim 31 wherein the instructions further comprise:

first obtaining instructions configured to obtain a first identifier for first data related to the first communication;

second obtaining instructions configured to obtain a second identifier for second data related to the second communication;

using instructions configured to use at least one of the first data and the second data to perform an action during at least one of the first communication and the second communication if the first identifier and the second identifier are the same.

33. (Previously Presented) The computer-readable medium of claim 32 wherein the instructions further comprise:

third providing instructions configured to provide second information decoded from a diagnostic code, wherein at least one of the first data and the second data comprises the diagnostic code.

34. (Previously Presented) The computer-readable medium of claim 32 wherein the instructions further comprise:

third providing instructions configured to provide third data obtained using at least one of the first identifier and the second identifier.

Claims 35-36 (Cancelled)

37. (Currently Amended) A computer system comprising:  
a processor for executing instructions; and  
a memory to store the instructions, wherein the instructions comprise  
first instructions configured to provide an automated option via a first communication  
channel of a first type during a first communication between with a server and via  
the first communication channel, wherein the automated option comprises a link  
to be displayed on a web page;  
receiving instructions configured to accept a second communication with the server, the  
second communication initiated by a telephone via a second communication  
channel of a second type different from the first type;  
determining instructions configured to determine that [[a]] the second communication  
between the server and a second communication channel is related to the first  
communication;  
and  
second instructions configured to provide a computer generated voice message to [[a]] the  
telephone, wherein the computer generated voice message suggests selecting the

link, wherein the computer generated voice message is provided via the second communication channel.

38. (Original) The computer system of claim 37 wherein the instructions further comprise:

first obtaining instructions configured to obtain a first identifier for first data related to the first communication;

second obtaining instructions configured to obtain a second identifier for second data related to the second communication;

using instructions configured to use at least one of the first data and the second data to perform an action during at least one of the first communication and the second communication if the first identifier and the second identifier are the same.

39. (Original) The computer system of claim 38 wherein the instructions further comprise:

third providing instructions configured to provide second information decoded from a diagnostic code, wherein

at least one of the first data and the second data comprises the diagnostic code.

40. (Original) The computer system of claim 38 wherein the instructions further comprise:

third providing instructions configured to provide third data obtained using at least one of the first identifier and the second identifier.

Claims 41-42 (Cancelled)